

EXHIBIT 17

Workload Indicators for Environmental Services Statement of Work (SOW)

July 2014

TABLE OF CONTENTS

1	SCOPE OF WORK.....	5
1.1	INTRODUCTION	5
1.2	INDEFEINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) SERVICES.....	5
1.3	CENTER ENVIRONMENTAL PROGRAM CORE REQUIREMENTS	5
1.3.1	Waste Prevention and Management.....	5
1.3.1.1	Waste Management.....	5
	a. Waste Collection and Management Activities	5
	b. Waste Disposal.....	5
	c. Sampling and Analytical Analysis	5
	d. Treatment, Storage, and Disposal Facility (TSDF) Inspection Reviews and Audits.....	5
	e. Management and Disposal of Asbestos and Asbestos Containing Materials Associated with Non-Facility Related Items	5
	f. Spill/Release Control, Removal and Emergency Consultation (all media).....	5
	g. Hazardous Waste Management Inspections	5
	h. Annual/Biennial Report on Hazardous Waste Activities.....	6
	i. Hazardous Waste Focused Cleanouts	6
	j. Construction Hazardous Waste Management.....	6
1.3.1.2	Regulatory Reporting.....	6
	a. Polychlorinated Biphenyl(PCB) Inventory and Annual Report	6
	b. Superfund Amendments and Reauthorization Act (SARA) Report (Tier II)	6
	c. Toxic Release Inventory Report (TRI)	6
1.3.1.3	Recycling/Affirmative Procurement/Solid Waste	6
	a. Chemical Reuse Center Management	6
	b. Solid Waste Permits and Reports.....	6
1.3.1.4	Policy, Procedure, Plan and Work Instruction Development	6
1.3.2	Water Management.....	6
1.3.2.1	Stormwater: Specific Permits (e.g., Industrial Discharge)	6
	a. National Pollutant Discharge Elimination System (NPDES) Specific Permits Implementation and Maintenance	6
	b. NPDES Specific Permits Modification and Renewal	6
	c. Stormwater Pollution Prevention Plan (SWPPP) Maintenance and Implementation	7
	d. Sampling and Analysis	7
1.3.2.2	Stormwater: General Permits (e.g., Municipal Separate Storm Sewer Systems (MS4), HT)	7

a. NPDES General Permits Implementation and Maintenance	7
b. NPDES General Permits Renewal	7
c. General Permits Requirement for SWPPP	7
1.3.2.3 Stormwater: Erosion and Sediment Control and Stormwater Management	7
a. General Permit for Stormwater Associated with Construction Activity	7
b. Construction Activities Oversight	7
1.3.2.4 Sanitary Sewer Discharge	7
a. Washington Suburban Sanitary Commission (WSSC) Permits Implementation and Maintenance	7
b. WSSC Permit Modification and Renewal	7
c. Sampling and Analytical Analysis	7
1.3.2.5 Oil Operations/Tank Management	7
a. Oil Storage and Operations Inspection and Inventory	7
b. Oil Operations Permit Implementation and Maintenance	7
c. Sampling and Analytical Analysis	7
d. Oil Operations Permit Modification and Renewal	7
e. Review, Update and Certification of the Integrated Contingency Plan (ICP)	8
1.3.2.6 Groundwater Management	8
a. Appropriations and Other Permits (Well, Septic, Groundwater Seeps, etc.) Implementation and Maintenance	8
b. Sampling and Analytical Analysis	8
1.3.2.7 Policy, Procedure, Plan and Work Instruction Development	8
1.3.3 Air Management	8
1.3.3.1 Permit Management	8
a. Air Emissions Systems Management	8
b. Semi-Annual Fuel Report and Six-Month Monitoring Report	8
c. Compliance Tracking	8
d. Annual Emissions Certification and Annual Compliance Certification	8
e. Ozone Depleting Substances Report and Leak Rate Determination	8
f. Air Source Compliance Review and Permit Application Preparation	8
g. Title V, part 70/71 Permit Renewal	8
Work Load Indicator: One permit renewal every five years.	8
1.3.3.2 Policy, Procedure, Plan and Work Instruction Development	8
1.3.4 Environmental Management	8
a. Record Management	9

b. Environmental Training	9
c. Regulatory Review and Assessment	9
d. Policy, Procedure, Plan and Work Instruction Development and Processing	9
e. Plans, Applications, Procedures, Reports and Notifications	9
f. Permit Applications	9
g. Regulatory fees	9
h. Annual NASA Environmental Functional Review and Self-Assessments	9
i. Environmental Module, SHETrak (safety, health and environmental finding tracking system)	9
j. Configuration Management	9
k. Data Management, Tracking and Reporting Systems	9
l. Government Furnished Equipment	9
m. Reports	9
n. Meetings	9
o. Metrics	9
p. Facilities Operations and Emergency Action Plan Responsibilities	9
1.3.5 Environmental Planning and Impact Assessment Management	9
1.3.5.1 Environmental Planning	9
a. NEPA document processing and review	9
b. Environmental Resource Document (ERD)	9
c. Plans and Document Review	9
1.3.6 Environmental Liability Management	9
1.3.6.1 Restoration Project Management	9
Restoration Project Oversight	9
1.3.6.2 Property Environmental Liability Assessments	9
Real and Personal Property Preliminary Environmental Liability Assessments	10
1.3.7 Natural Resources Management	10
1.3.7.1 Flora and Fauna Management	10
a. Species Surveys	10
b. Species Management	10
1.4 GENERAL TECHNICAL REQUIREMENTS AND DEFINITIONS APPLICABLE TO ALL WORK PERFORMED	10
1.4.1 General Limitations and Clarifications	10
1.4.2 Documentation	10
1.4.3 Facilities and Equipment	10
1.4.4 Multi-Media Sampling and Analytical Services	10
1.4.5 Support of Environmental Services Cost Allocation	10

1.4.6 Schedule and Milestone Management	10
1.5 Acronyms	10
Representative Task Order #1 Release Response and Remediation.....	10
Representative Task Order #2 Restoration Management Actions	10

1 SCOPE OF WORK

1.1 INTRODUCTION

1.2 INDEFINITE DELIVERY/INDEFINITE QUANTITY (IDIQ) SERVICES

1.3 CENTER ENVIRONMENTAL PROGRAM CORE REQUIREMENTS

1.3.1 Waste Prevention and Management

1.3.1.1 Waste Management

a. Waste Collection and Management Activities

Workload Indicators: 200 active Satellite Accumulation Areas (SAAs), 40 new SAAs per year, 40 closed SAAs per year, 3,500 containers processed per year, 800 eMOD waste requests per year.

b. Waste Disposal

Workload Indicators: 20 off-site shipments each year. Assume \$140,000 for waste disposal ODC for the first year.

c. Sampling and Analytical Analysis

d. Treatment, Storage, and Disposal Facility (TSDF) Inspection Reviews and Audits

Workload Indicators: 2 new TSDFs per year. Total 9 active TSDFs. Assume 1 site visits during the second and the fourth year.

e. Management and Disposal of Asbestos and Asbestos Containing Materials Associated with Non-Facility Related Items

Workload Indicators: Assume one container (less than a gallon) of asbestos containing brake waste per year are required to be managed and dispositioned in accordance with applicable federal and state regulations.

f. Spill/Release Control, Removal and Emergency Consultation (all media)

g. Hazardous Waste Management Inspections

Workload Indicators: Assume up to 160 SAAs, assume only the Building 27A Less-than 90-day Waste Accumulation Facility

h. Annual/Biennial Report on Hazardous Waste Activities

i. Hazardous Waste Focused Cleanouts

Work Load Indicator: one task shall be accomplished in the second year of the contract. Assume 25 containers and 100 pounds of waste.

j. Construction Hazardous Waste Management

Work Load Indicator: Assume approximately 12 projects per year. Waste disposal Other Direct Cost (ODC) is included in the \$140,000 noted above.

1.3.1.2 Regulatory Reporting

- a. Polychlorinated Biphenyl(PCB) Inventory and Annual Report*
- b. Superfund Amendments and Reauthorization Act (SARA) Report (Tier II)*
- c. Toxic Release Inventory Report (TRI)*

1.3.1.3 Recycling/Affirmative Procurement/Solid Waste

a. Chemical Reuse Center Management

Work Load Indicator: 200 of containers evaluated per year, 100 of containers determined to be eligible per year, 50 of containers issued per year.

b. Solid Waste Permits and Reports

Work Load Indicator: See the Scrap Tire permit.

1.3.1.4 Policy, Procedure, Plan and Work Instruction Development

1.3.2 Water Management

1.3.2.1 Stormwater: Specific Permits (e.g., Industrial Discharge)

- a. National Pollutant Discharge Elimination System (NPDES) Specific Permits Implementation and Maintenance*

Work Load Indicator: See permit. Assume eight resampling actions per year

- b. NPDES Specific Permits Modification and Renewal*

Work Load Indicator: One permit modification each year and one permit renewal every five years with all necessary data, information, analysis and field activity.

- c. Stormwater Pollution Prevention Plan (SWPPP) Maintenance and Implementation*
- d. Sampling and Analysis*

1.3.2.2 Stormwater: General Permits (e.g., Municipal Separate Storm Sewer Systems (MS4), HT)

- a. NPDES General Permits Implementation and Maintenance*
- b. NPDES General Permits Renewal*
- c. General Permits Requirement for SWPPP*

1.3.2.3 Stormwater: Erosion and Sediment Control and Stormwater Management

- a. General Permit for Stormwater Associated with Construction Activity*
- b. Construction Activities Oversight*

Work Load Indicator: Assume 50 field verification actions per year.

1.3.2.4 Sanitary Sewer Discharge

- a. Washington Suburban Sanitary Commission (WSSC) Permits Implementation and Maintenance*

Work Load Indicator: See permit. Assume four resampling actions per year

- b. WSSC Permit Modification and Renewal*

Work Load Indicator: One permit modification every five years. One permit renewal every five years with all necessary data, information, analysis and field activity.

- c. Sampling and Analytical Analysis*

1.3.2.5 Oil Operations/Tank Management

- a. Oil Storage and Operations Inspection and Inventory*

Work Load Indicator: 190 storage locations/tanks. Five added storage locations/tanks per year. Five removed storage locations/tanks per year.

- b. Oil Operations Permit Implementation and Maintenance*

Work Load Indicator: 2 samples collected per year and laboratory analysis for sulfur content.

- c. Sampling and Analytical Analysis*
- d. Oil Operations Permit Modification and Renewal*

Work Load Indicator: Oil volume updates 2 per year, permit renewal one every 5 years.

e. Review, Update and Certification of the Integrated Contingency Plan (ICP)

Work Load Indicator: One update per year for addition or deletion of activities. One complete certification every 5 years.

1.3.2.6 Groundwater Management

a. Appropriations and Other Permits (Well, Septic, Groundwater Seeps, etc.) Implementation and Maintenance

Work Load Indicator: One septic system permit every 2 years. One appropriations permit renewal during the five year contract.

b. Sampling and Analytical Analysis

1.3.2.7 Policy, Procedure, Plan and Work Instruction Development

1.3.3 Air Management

1.3.3.1 Permit Management

a. Air Emissions Systems Management

Work Load Indicator: 300 active sources in database.

b. Semi-Annual Fuel Report and Six-Month Monitoring Report

c. Compliance Tracking

d. Annual Emissions Certification and Annual Compliance Certification

e. Ozone Depleting Substances Report and Leak Rate Determination

f. Air Source Compliance Review and Permit Application Preparation

Work Load Indicator: 10 source compliance reviews per year, 2 of which will require permit to construct applications.

g. Title V, part 70/71 Permit Renewal

Work Load Indicator: One permit renewal every five years.

1.3.3.2 Policy, Procedure, Plan and Work Instruction Development

1.3.4 Environmental Management

- a. *Record Management*
- b. *Environmental Training*
- c. *Regulatory Review and Assessment*
- d. *Policy, Procedure, Plan and Work Instruction Development and Processing*
- e. *Plans, Applications, Procedures, Reports and Notifications*
- f. *Permit Applications*
- g. *Regulatory fees*
- h. *Annual NASA Environmental Functional Review and Self-Assessments*
- i. *Environmental Module, SHETrak (safety, health and environmental finding tracking system)*

Work load indicator: 200 new findings per year.

- j. *Configuration Management*
- k. *Data Management, Tracking and Reporting Systems*
- l. *Government Furnished Equipment*
- m. *Reports*
- n. *Meetings*
- o. *Metrics*
- p. *Facilities Operations and Emergency Action Plan Responsibilities*

1.3.5 Environmental Planning and Impact Assessment Management

1.3.5.1 Environmental Planning

- a. *National Environmental Policy Act (NEPA) document processing and review*

Work load indicator: 80 Environmental Checklists and 1 Environmental Assessments (average 100 pages per assessment) per year.

- b. *Environmental Resource Document (ERD)*
- c. *Plans and Document Review*

Work Load indicator: 75 various plans, designs, reports and other documents

1.3.6 Environmental Liability Management

1.3.6.1 Restoration Project Management

Restoration Project Oversight

Workload indicator: 1 restoration construction activity every 5 years

1.3.6.2 Property Environmental Liability Assessments

Real and Personal Property Preliminary Environmental Liability Assessments

Workload indicator: 24 personal property items and 2 real property items every year

1.3.7 Natural Resources Management

1.3.7.1 Flora and Fauna Management

a. Species Surveys

Workload indicator: 1 survey each year

b. Species Management

Workload indicator: Provide support of one removal action (removal action performed by third party) per year.

1.4 GENERAL TECHNICAL REQUIREMENTS AND DEFINITIONS APPLICABLE TO ALL WORK PERFORMED

1.4.1 General Limitations and Clarifications

1.4.2 Documentation

1.4.3 Facilities and Equipment

1.4.4 Multi-Media Sampling and Analytical Services

1.4.5 Support of Environmental Services Cost Allocation

1.4.6 Schedule and Milestone Management

1.5 Acronyms

Representative Task Order (RTO) #1 Release Response and Remediation

Work Load Indicators: Assume 26 small releases/support actions per year (capable of being handled by onsite resources with level C personal protective equipment [classic parking lot spills from stationary vehicles]). Four of the 26 releases per year meet state written report requirements.

Representative Task Order (RTO) #2 Restoration Management Actions